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- (52) Domestic classification (Edition I) C3H 428 640 650 653 B7V
- (56) Documents cited GB A 2120255 EMBO J. (1984) Vol.3 (No 6) pages 1417-1421 CELL (1984Vol. 37 pages 1015-1026 NATURE (1982) Vol 298 pages 790-762
- (58) Field of search
 C3H
 Selected US specifications from IPC sub-class C12N

(54) Method of increasing the half-life of an mRNA sequence

(57) The method comprises utilising recombinant DNA having a REP sequence immediately downstream (3') of the DNA encoding sequence corresponding to the said mRNA sequence.

"REP sequence" means a
Repetative Extragenic Palindromic
sequence of approximately 30 to 50
nucleotides, which tends to form a stem
loop having stem portions in
palindromic relationship, and
conforming to the consensus sequence
shown in Figure 1 or at least 75%
homologous therewith.

Plasmids comprising the REP sequence from the Histidine transport operon of Salmonella typhimurium are disclosed.

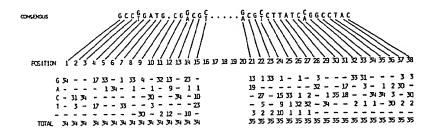


FIGURE 1(b)

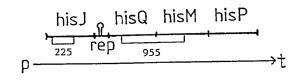


FIGURE 2